

IMAGE DISPLAY DEVICE, DRIVE CIRCUIT DEVICE AND DEFECTDETECTION METHOD OF LIGHT-EMITTING DIODE

DISCLOSURE OF THE INVENTION

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A defect detection of light-emitting diodes (LEDs) is electrically performed on a large-scale display, comprising a plurality of light-emitting diodes arranged by a predetermined arrangement on an image display face, 10 voltage detection portions for applying a constant current to a plurality of light-emitting diodes in an off region at a forward voltage or less in accordance with an input of a signal indicating a defect detection mode and detecting voltages between terminals of light-emitting 15 diodes arising when the constant current flows there through, and a defect detection portion for electrically detecting a defect from the plurality of light-emitting diodes based on detection results of the voltage detection portion; and drive circuit devices (driver ICs) 20 having the above configuration are serially connected and an electric signal indicating a result of defect detection is output from its final stage.